

# Climate Change Adaptation and Mitigation

Central Coast Water Board

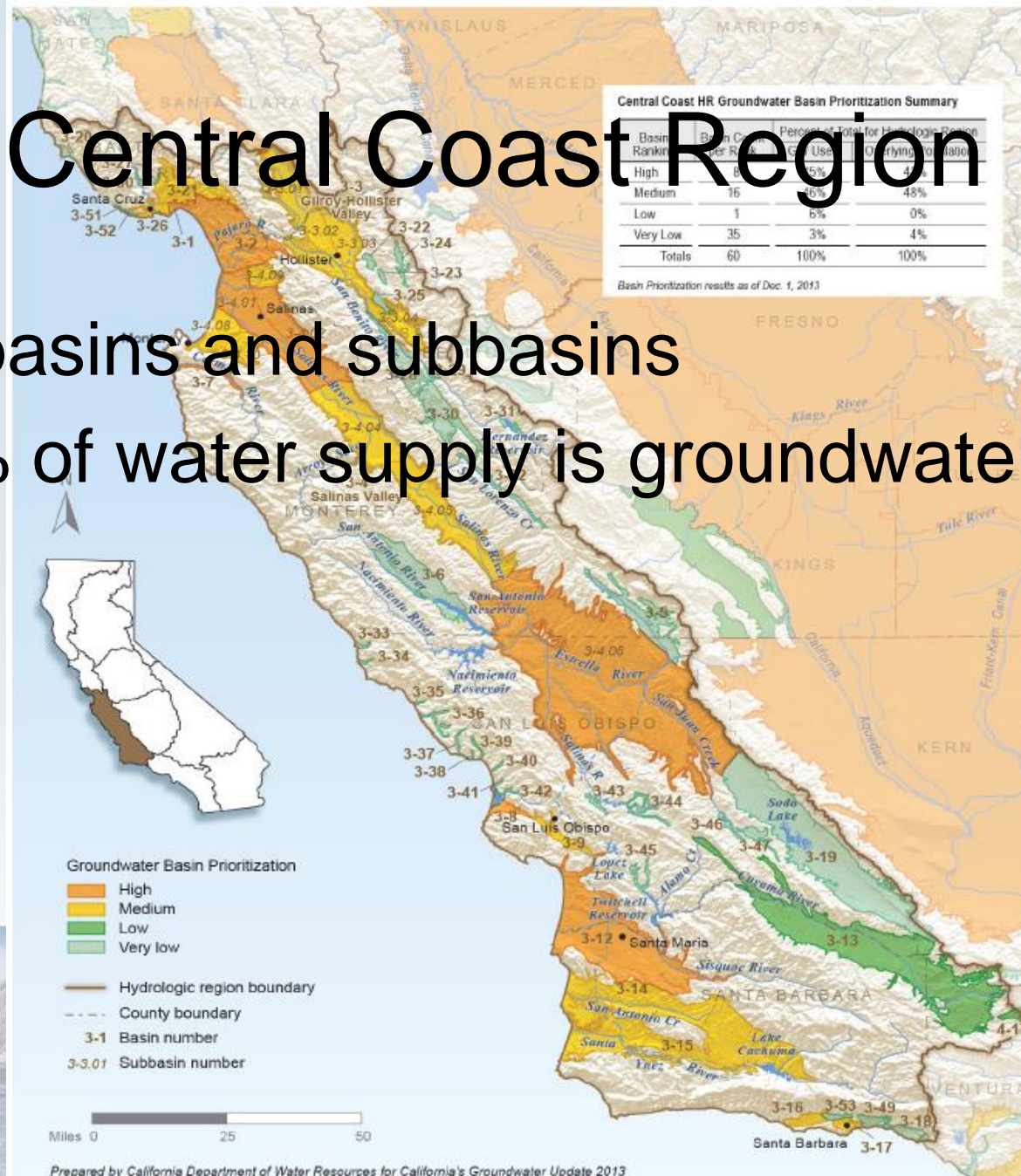
October 24, 2018



Figure 5-6 CASGEM Groundwater Basin Prioritization for the Central Coast Hydrologic Region

# Central Coast Region

- 60 basins and subbasins
- 86% of water supply is groundwater





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- A photograph of the Golden Gate Bridge in San Francisco, California, spanning the water. In the foreground, there is a rocky coastline with waves crashing against the rocks. Two people are standing on the beach, looking out at the water. The sky is blue with some white clouds.
- 11 billion gallons of treated wastewater discharged to ocean in 2015
  - 85% recycling = 30% coastal urban water use

## **Inventory of Municipal Wastewater Discharges to California Coastal Waters**

### **HEAL THE OCEAN**

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# Central Coast Groundwater Recharge Projects

- 1 in operation
- 1 in construction
- 4 in planning or design



# Pure Water Monterey

- M1W already recycles 60% of domestic wastewater
- Expand to groundwater recharge
- Look for new sources





**Agricultural Drainage Water**



**Agricultural Wash Water**



## **PWM Source Waters**

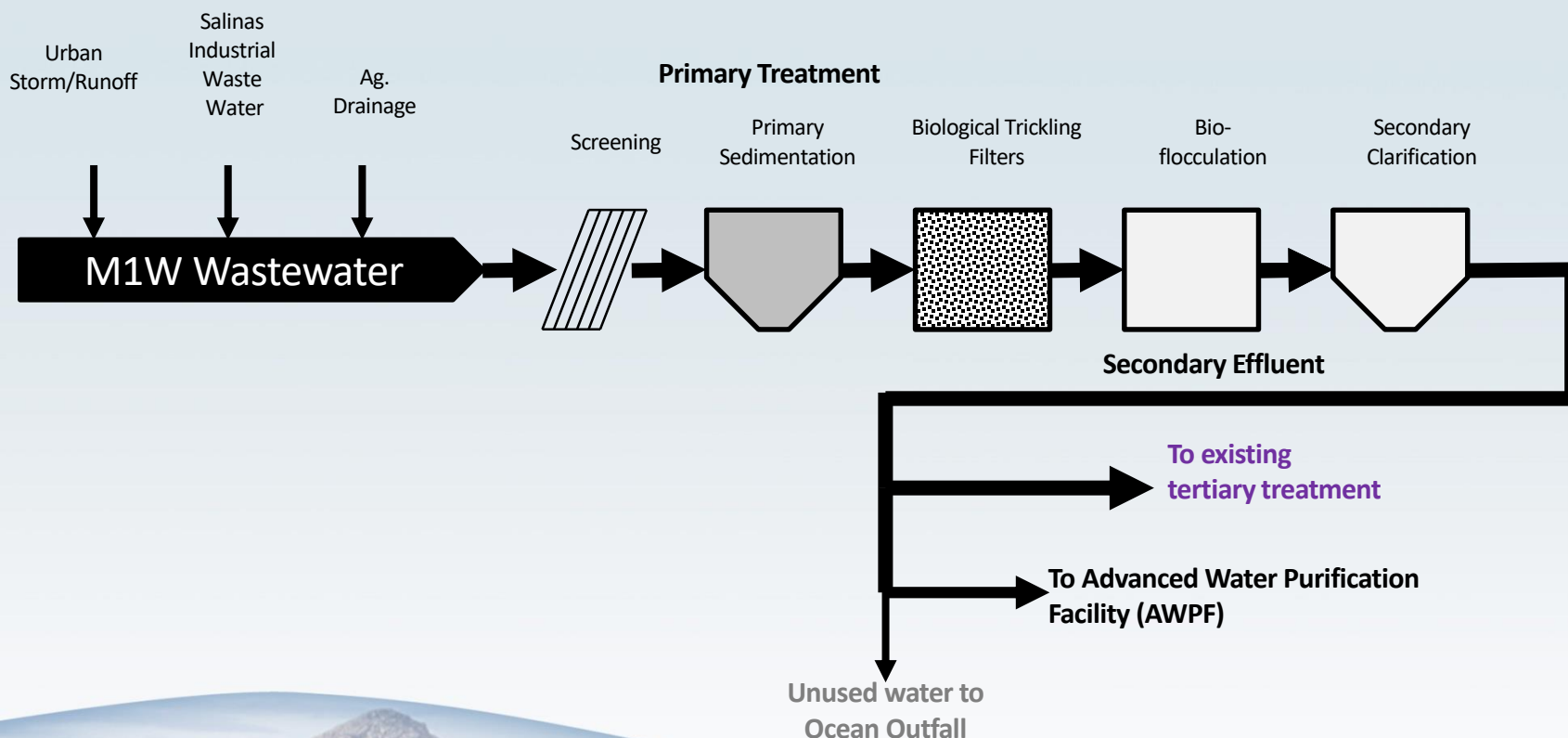
**Secondary Treated Wastewater**



**Urban Storm Water Runoff**

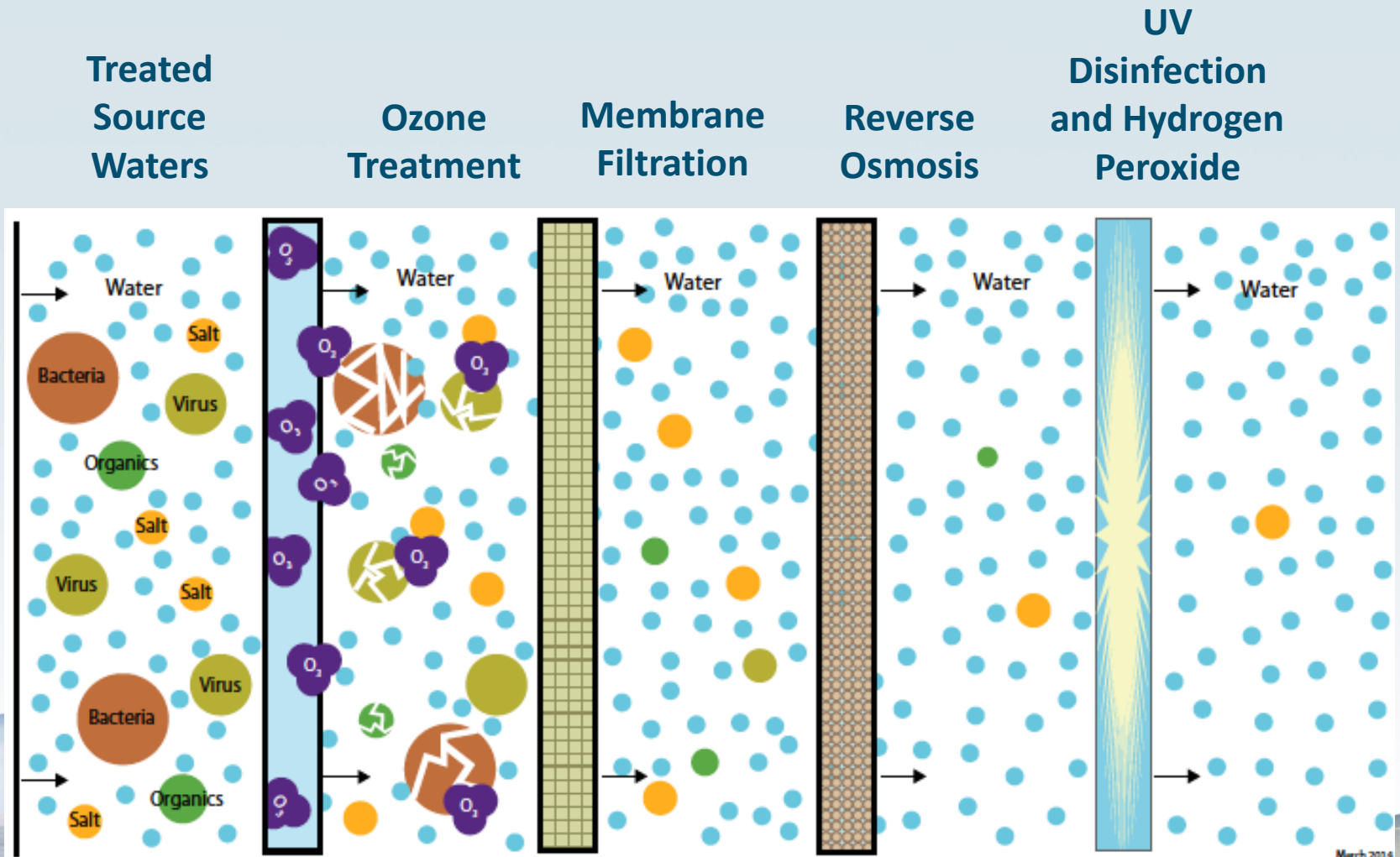


# Blending of Sources then Primary & Secondary Treatment



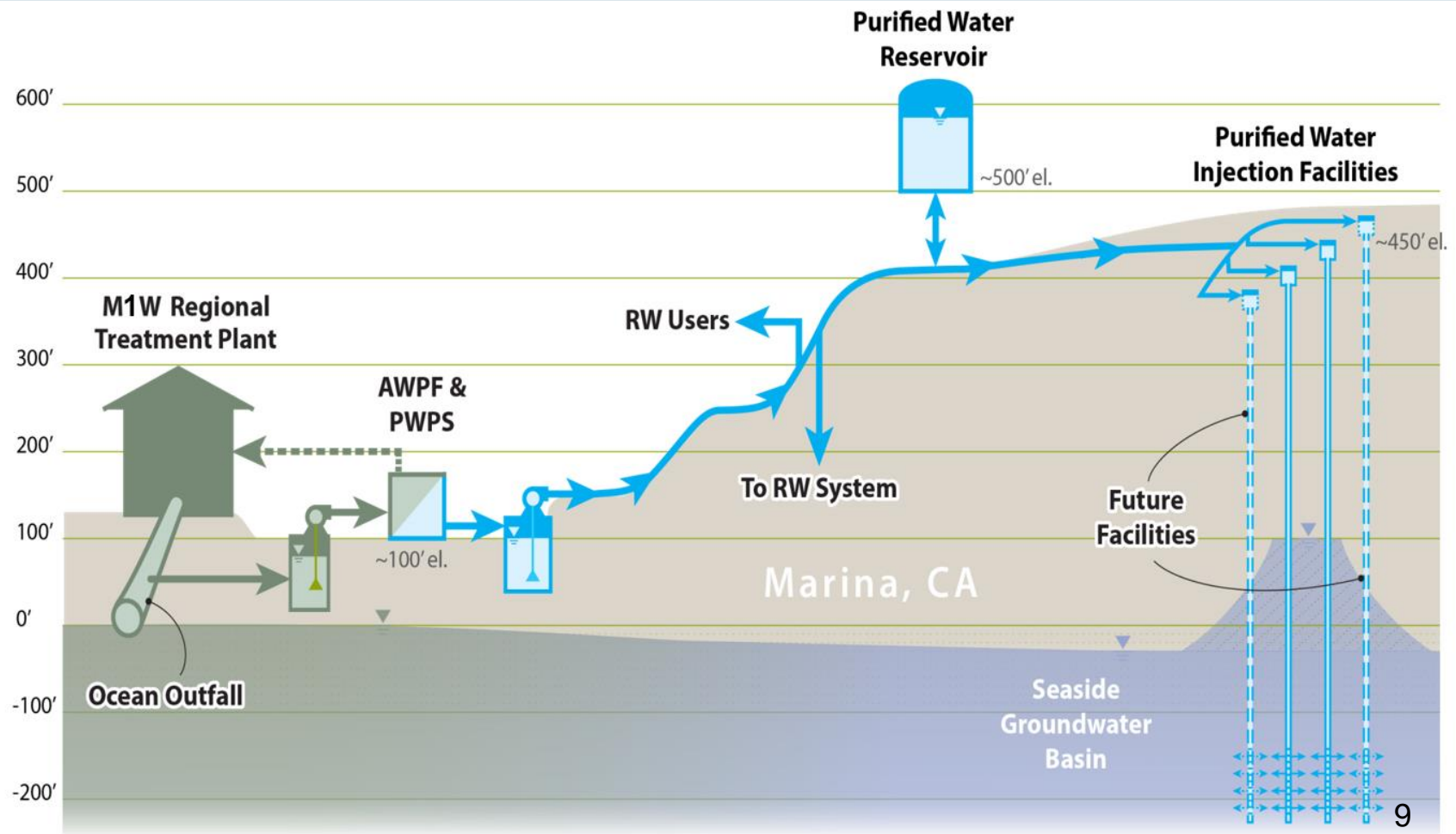


# HOW DOES ADVANCED PURIFICATION WORK?





# Injection into the Seaside Basin



# PURE WATER MONTEREY DEMO FACILITY



# Facilitation

- Encouragement
- Money
- Technical
- Outreach
- Permitting





# Climate Change Mitigation

- Groundwater supply and quality
- Water supply diversity
- Recycling a key component
- Look at all sources of wastewater
- Water boards can facilitate

